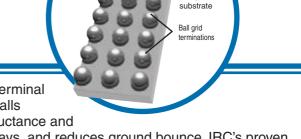


purity alumin

CHC Series

- Superior TaNFilm® resistors on ceramic substrate
- · High density networks on a reduced footprint
- · Excellent high frequency performance
- Standard tolerances to ±1%
- · RoHS compliant terminations available



IRC's Chipscale on ceramic CHC offers high performance terminal solutions in a small surface mount package. Sn/Pb solder balls placed on a ceramic substrate permit very low parasitic inductance and capacitance. This improves speeds, lowers propagation delays, and reduces ground bounce. IRC's proven tantalum nitride thin film technology can handle the most demanding applications.

For all of your high density, small footprint termination needs, use IRC's CHC Termination arrays.

Electrical Data

Package	Resistance Range (Ω)	Absolute Tolerances	Absolute TCR	Package Power Rating 70°C*	Element Power Rating 70°C*	Operating Temperature
CB0565A	10R to 4.7K	±1%, ±2%	±100ppm/°C	0.6W	0.1W	-40°C to +85°C
	10R to 10.0K	±5%				
CB0565B	10R to 2.2K	±1%, ±2%				
	10R to 4.7K	±5%				
CD0865A	10R to 4.7K	±1%, ±2%	±100ppm/°C	1.2W		
	10R to 10.0K	±5%				
CD0865B	10R to 2.2K	±1%, ±2%				
	10R to 4.7K	±5%				
OD1005 A	10R to 4.7K	±1%, ±2%	±100ppm/°C	1.6W		
CD1065A	10R to 10.0K	±5%				
CD1065B	10R to 2.2K	±1%, ±2%				
	10R to 4.7K	±5%				
CC0910A	10R to 4.7K	±1%, ±2%	±100ppm/°C	1.2W		
	10R to 10.0K	±5%				
CC0910B	10R to 2.2K	±1%, ±2%				
	10R to 4.7K	±5%				
CD0910A	10R to 4.7K	±1%, ±2%	100,	1.2W		
	10R to 10.0K	±5%				
CD0910B	10R to 2.2K	±1%, ±2%	±100ppm/°C			
	10R to 4.7K	±5%				

^{*}Rated power is from 0°C to 70°C derated linearly to 0W at 85°C.



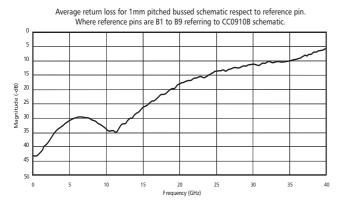
IRC reserves the right to make changes in product specification without notice or liability.

All information is subject to IRC's own data and is considered accurate at time of going to print.

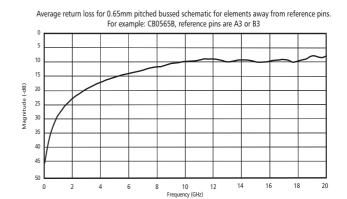




Return Loss Data (50Ω Nominal)

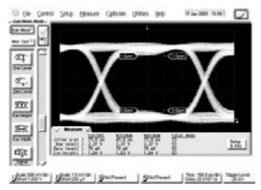


Typical Return Loss For CC0910B-01-50R0-F

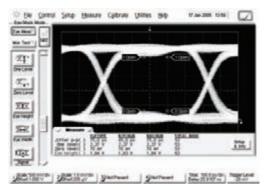


Typical Return Loss For CD1065B-01-50R0-F

Eye Diagram Data

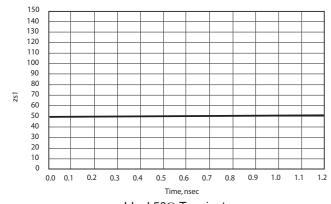


Ideal Terminator

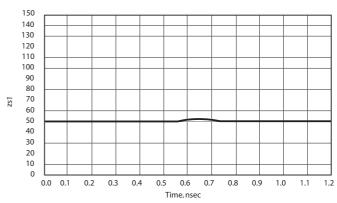


IRC CHC-CC0910B-01-50R0-F Terminator

Impedance Response Data



 $\mbox{Ideal 50} \Omega \mbox{ Terminator} \\ \mbox{Impedance response to 100psec rising edge}$



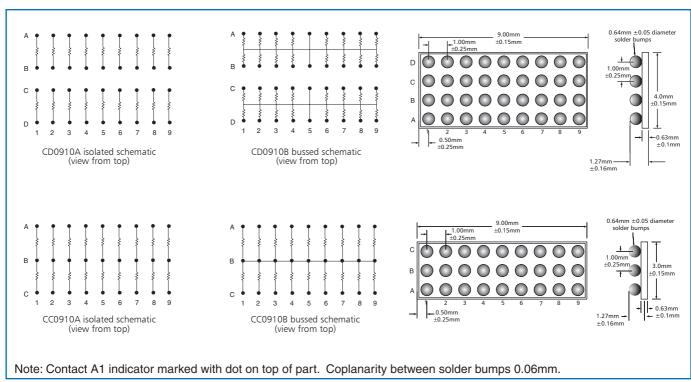
IRC CHC-CC0910B-01-50R0-F Terminator Impedance response to 100psec rising edge



Environmental Data

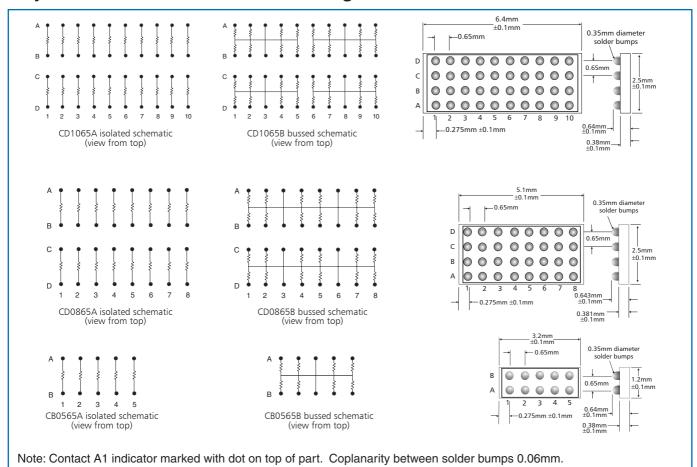
Environmental Test	Specification	Typical	Maximum	
Thermal shock	MIL-PRF-83401	±0.01%	±0.02%	
Low temperature operation	MIL-PRF-83401	±0.01%	±0.05%	
Short time overload	MIL-PRF-83401	±0.01%	±0.05%	
High temperature exposure	MIL-PRF-83401	±0.03%	±0.05%	
Effects of solder	MIL-PRF-83401	±0.01%	±0.05%	
Moisture resistance	MIL-STD-202, Method 206 65°C, 45% RH, with bias	±0.02%	±0.01%	
Life	MIL-PRF-83401	±0.01%	±0.02%	

Physical Data and Schematic Diagrams for 1.0mm Pitch Series

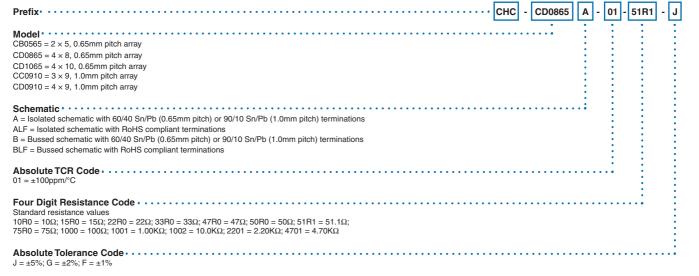




Physical Data and Schematic Diagrams for 0.65mm Pitch Series



Ordering Data





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